ABSTRACT

A use-dependent indicator system for detecting the exhaustion of an active chemical within an absorbent article is provided. The indicator system includes at least one dye component and a polymer mixture. The dye component(s) can be non-reactive and/or reactive dyes. The polymer mixture can contain a polymer, such as a latex adhesive, to facilitate control over the dissolution rate of the dye component(s). By controlling the dissolution rate of the dye component(s), an indicator system of the present invention can impart a change in color to signal the exhaustion of an active chemical incorporated within the absorbent article, such as an anti-microbial agent.